Sanchit Dass

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WORK EXPERIENCE

Software Engineer Specialist Jul 2025 — Nov 2025
xAI *Remote, India*

- Curated high-quality open-source datasets across JavaScript, Python, and C++ for training Grok coding models, improving model coverage and realism.
- Resolved 10+ critical model issues by analyzing failures, refining system prompts, and validating fixes across reasoning and non-reasoning model variants.
- Reviewed and debugged AI generated code for real user projects (open source libraries, small apps, 2D games), ensuring outputs met functional requirements and performance expectations.

Founding Engineer Jan 2025 — Apr 2025
FetchFox *Mountain View, USA*

- Developed and maintained the FetchFox web application using Next.js, delivering end-user features and improving overall product reliability.
- Built one-click integrations for Snowflake and Google Sheets, leveraging official APIs and OAuth flows to streamline data export for users.
- Implemented a Python based MCP server to support FetchFox's backend workflows and automation use cases.
- Created a benchmarking dashboard using Python and Streamlit for custom web scraping tasks, comparing model performance across standardized challenges to surface strengths and failure modes.

Full Stack Intern Apr 2024 — Dec 2024
ICPC Foundation *Boston, USA*

- Led development of a social media platform for competitive programmers using Flutter, owning architecture and delivery across authentication, feeds, messaging, and notifications.
- Designed and implemented a role based real time notification system, enabling ICPC competition admins to broadcast live announcements during the ICPC 2024 World Finals.

Software Engineer Jul 2020 — Jun 2022
National Instruments *Bengaluru, India*

- Led architectural changes enabling side by side RFmx installations, ensuring backward compatibility across releases by redesigning installation and versioning workflows.
- Reduced CI build time by 27% by optimizing Jenkins pipelines, directly improving developer iteration speed.
- Developed and maintained production-grade C++ APIs for RFmx signal analysis software, contributing to 4 major product releases.
- Built an automated Python-based testing framework integrated into nightly builds, significantly improving bug detection, triage speed, and release confidence.
- Drove migration from legacy Perforce to Git (Azure DevOps), modernizing source control and build pipelines while minimizing disruption to active development.

Software Engineer Intern Jan 2020 — Jun 2020
National Instruments *Bengaluru, India*

- Delivered an end-to-end inventory management system that replaced manual bookkeeping and eliminated frequent scheduling conflicts, by designing a React + Django platform used by RF developers across the lab.
- Integrated 500+ RF lab instruments with a centralized backend, enabling live status and availability tracking by consuming REST APIs exposed by each device and persisting telemetry in MySQL.

SKILLS

Programming Languages	Python, JavaScript, C++
Technologies	React, Node.js, Django, Large Language Models, Amazon Web Services, Docker, Flutter

EDUCATION

MS, Computer Science, Purdue University — Aug 2022 — Dec 2023
BE, Computer Science, BMS College of Engineering — Aug 2016 — Sep 2020